



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/445,289	05/11/2000	GALINA V MUKAMOLOVA	49946-60261	9774
7590	09/29/2006			EXAMINER
EDWARDS ANGELL PALMER & DODGE LLP			DEVI, SARVAMANGALA J N	
P.O. BOX 55874			ART UNIT	PAPER NUMBER
BOSTON, MA 02205			1645	

DATE MAILED: 09/29/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

UNITED STATES DEPARTMENT OF COMMERCE  
 Patent and Trademark Office  
 COMMISSIONER OF PATENTS AND  
 TRADEMARKS  
 Washington, D.C. 20231

SERIAL NUMBER	FILING DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NO.
09/445,289	05/11/00	Mukamolova et al.	49946-60261

+	EXAMINER
	S. Devi, Ph.D
	ART UNIT
	PAPER NUMBER

1645 092006

- DATE MAILED:

Please find below a communication from the EXAMINER in charge of this application  
 Commissioner of Patents

- 1) This application contains sequence disclosures that are encompassed by the definitions for nucleotide and/or amino acid sequences set forth in 37 C.F.R 1.821(a)(1) and (a)(2). A computer readable form (CRF) of the sequence listing was submitted. However, the CRF could not be processed by the Scientific and Technical Information Center (STIC) for the reason(s) set forth on the attached Raw Sequence Listing Error Report.
- 2) Applicant is given ONE MONTH, or THIRTY DAYS, whichever is longer, from the mailing date of this letter within which to comply with the sequence rules, 37 C.F.R 1.821 - 1.825. Failure to comply with these requirements will result in ABANDONMENT of the application under 37 C.F.R 1.821(g). Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 C.F.R 1.136(a). In no case may an applicant extend the period for reply beyond the SIX MONTH statutory period. Direct the reply to the undersigned. Applicant is requested to return a copy of the attached CRF Diskette Problem Report with the reply.
- 3) Any inquiry concerning this communication or earlier communications from the Examiner should be directed to S. Devi, Ph.D., whose telephone number is (571) 272-0854. The Examiner can normally be reached on Monday-Friday from 7:15 a.m. to 4:15 p.m. (Eastern Time).

If attempts to reach the Examiner by telephone are unsuccessful, the Examiner's Acting supervisor, Albert Navarro, can be reached at (571) 272-0861. The FAX phone number for group 1600 is (571) 273-8300.

  
 S. DEVI, PH.D.  
 PRIMARY EXAMINER

**NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES**

The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 C.F.R. 1.821 - 1.825 for the following reason(s):

- 1. This application clearly fails to comply with the requirements of 37 C.F.R. 1.821-1.825. Applicant's attention is directed to these regulations, published at 1114 OG 29, May 15, 1990 and at 55 FR 18230, May 1, 1990.
- 2. This application does not contain, as a separate part of the disclosure on paper copy, a "Sequence Listing" as required by 37 C.F.R. 1.821(c).
- 3. A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 C.F.R. 1.821(e).
- 4. A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 C.F.R. 1.822 and/or 1.823, as indicated on the attached copy of the marked -up "Raw Sequence Listing."
- 5. The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A Substitute computer readable form must be submitted as required by 37 C.F.R. 1.825(d).
- 6. The paper copy of the "Sequence Listing" is not the same as the computer readable form of the "Sequence Listing" as required by 37 C.F.R. 1.821(e).
- 7. Other: \_\_\_\_\_

**Applicant Must Provide:**

- An initial or substitute computer readable form (CRF) copy of the "Sequence Listing".
- An initial or substitute paper copy of the "Sequence Listing", as well as an amendment directing its entry into the specification.
- A statement that the content of the paper and computer readable copies are the same and, where applicable, include no new matter, as required by 37 C.F.R. 1.821(e) or 1.821(f) or 1.821(g) or 1.825(b) or 1.825(d).

For questions regarding compliance to these requirements, please contact:

For Rules Interpretation, call (703) 308-4216  
For CRF Submission Help, call (703) 308-4212  
PatentIn Software Program Support (SIRA)

Technical Assistance.....703-287-0200  
To Purchase PatentIn Software.....703-306-2600

**PLEASE RETURN A COPY OF THIS NOTICE WITH YOUR RESPONSE**

## **STIC Biotechnology Systems Branch**

### **RAW SEQUENCE LISTING ERROR REPORT**

**The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:**

Application Serial Number: 09/445,289E  
Source: IFC016  
Date Processed by STIC: 09/07/2006

**THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.**

**PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:**

- 1) **INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
- 2) **TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

**FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT  
MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221**

**TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.4.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:**

**<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>**

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. **EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>), EFS Submission User Manual - ePAVE)**
2. **U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450**
3. **Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):  
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314**

Revised 01/10/06



IFW16

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/445,289E

DATE: 09/07/2006  
TIME: 14:43:59

Input Set : N:\DA\pto.da.txt  
Output Set: N:\CRF4\09062006\I445289E.raw

3 <110> APPLICANT: MUKAMOLOVA, GALINA V.  
4 KAPRELYANTS, ARSENY S.  
5 YOUNG, DANIELLE I.  
6 KELL, DOUGLAS B.  
7 YOUNG, MICHAEL  
9 <120> TITLE OF INVENTION: BACTERIAL PHEROMONES AND USES THEREFOR  
11 <130> FILE REFERENCE: 49946-60261  
13 <140> CURRENT APPLICATION NUMBER: 09/445,289E  
14 <141> CURRENT FILING DATE: 2000-05-11  
16 <150> PRIOR APPLICATION NUMBER: PCT/GB98/01649  
17 <151> PRIOR FILING DATE: 1998-06-03  
19 <150> PRIOR APPLICATION NUMBER: GB 9711389.8  
20 <151> PRIOR FILING DATE: 1997-06-04  
22 <150> PRIOR APPLICATION NUMBER: GB 9811221.2  
23 <151> PRIOR FILING DATE: 1998-05-27  
E--> 25 <160> NUMBER OF SEQ ID NOS: 623 → found 63  
27 <170> SOFTWARE: PatentIn Ver. 3.2

Does Not Comply  
Corrected Diskette Needed

(P8-1)

## ERRORED SEQUENCES

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/09/445,289E

DATE: 09/07/2006

TIME: 14:44:00

Input Set : N:\DA\pto.da.txt

Output Set: N:\CRF4\09062006\I445289E.raw

L:584 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0  
L:1280 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:0  
L:1283 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:16  
L:1338 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41 after pos.:0  
L:1686 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:60 after pos.:0  
L:1706 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:61 after pos.:0  
L:1722 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:62 after pos.:0  
L:25 M:203 E: No. of Seq. Differ, <160> Number Of Sequences:Input (62) Counted (63)